

Notice of Allowability

Application No.

09/656,315

Examiner

Christian La Forgia

Applicant(s)

SHIN ET AL.

Art Unit

2131

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 03 May 2006.
2. ☒ The allowed claim(s) is/are 1-51.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 5/3/06
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.


AYAZ SHEIKH

SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

DETAILED ACTION

1. The amendment filed on 27 December 2005 has been noted and made of record.
2. Claims 1-51 have been presented for examination.
3. Claim 52 has been cancelled as per Applicant's request.

Information Disclosure Statement

4. The information disclosure statement (IDS) submitted on 03 May 2006 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement has been considered by the examiner.

Response to Arguments

5. Applicant's arguments, see page 20, filed 27 December 2006, with respect to claims 1-51 have been fully considered and are persuasive. The rejection of claims 1-51 has been withdrawn.

Allowable Subject Matter

6. Claims 1-51 are allowed.
7. The following is an examiner's statement of reasons for allowance:

As per claims 1 and 47, it is well known in the art for a data storage device provided with a function for authenticating a user's access right, which verifies legitimacy of proof data generated for proving a right of an application program to access data stored in a storage medium, to thereby authenticate the access right of a user of the application program to the data, the data storage device comprising: first storage means for storing authentication data; second storage means for storing user unique identifying information of the user of the application program; third storage means for storing auxiliary proof information being a result in which a specific calculation is executed to the user unique identifying information of the application

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program and unique security characteristic information; proof data generation means for executing a specific calculation to the authentication data stored in the first storage means, the user unique identifying information of the application program stored in the second storage means, and the auxiliary proof information stored in the third storage means, to thereby generate proof data; a data storage main frame provided with a storage medium, which stores and preserves data in the storage medium; command generation means installed in the application program, for generating a command that instructs an operation to the data stored in the storage medium of the data storage main frame; command issuing means installed in the application program, for issuing the command generated by the command generation means to the outside of the application program; proof data verification means for verifying that the proof data generated by the proof data generation means has been generated on the basis of the unique security characteristic information; and command management means for permitting to execute the command only when the verification is successful, as to at least one type of the command that instructs the operation to the data stored in the data storage main frame, wherein the command is erasing the data stored within the storage medium.

There are no teachings in the prior art of the abovementioned system that in spite of any erasing command issued, the data stored within the storage medium is preserved. Since no teachings or motivation can be found of preserving the data in spite of any erase command that has been issued, claims 1-51 are therefore novel and non-obvious.

8. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christian La Forgia whose telephone number is (571) 272-3792.

The examiner can normally be reached on Monday thru Thursday 7-5.

10. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on (571) 272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

11. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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